

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P226555

Luminaire Tested: **IST-AF-800-LED-E1-T4FT-ULG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226555
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35943)-DOWNLIGHT AND
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: IST-AF-800-LED-E1-T4FT-ULG
Description: IMPACT ELITE LED TRAPEZOID LUMINAIRE WITH UPLIGHT
LIGHT SQUARE WITH ACCULED OPTICS-TYPE IV FORWARD THROW, WITH UPLIGHT GLOW
Light Source: (16) 4000K CCT, 70 CRI LEDs and (1) UPLIGHT LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7085.2 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.54')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U5 - G2

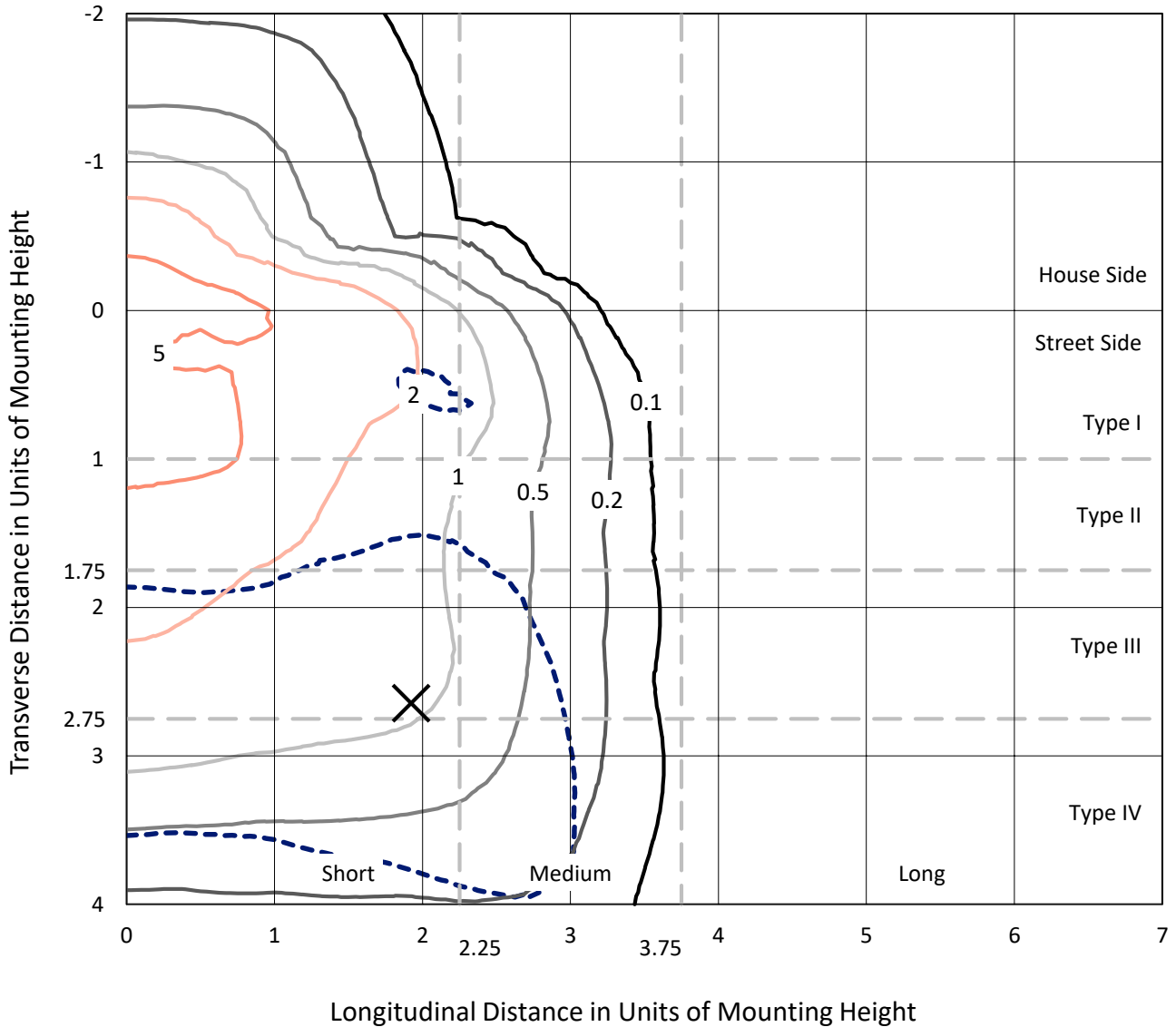
Input Watts (W): 60.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

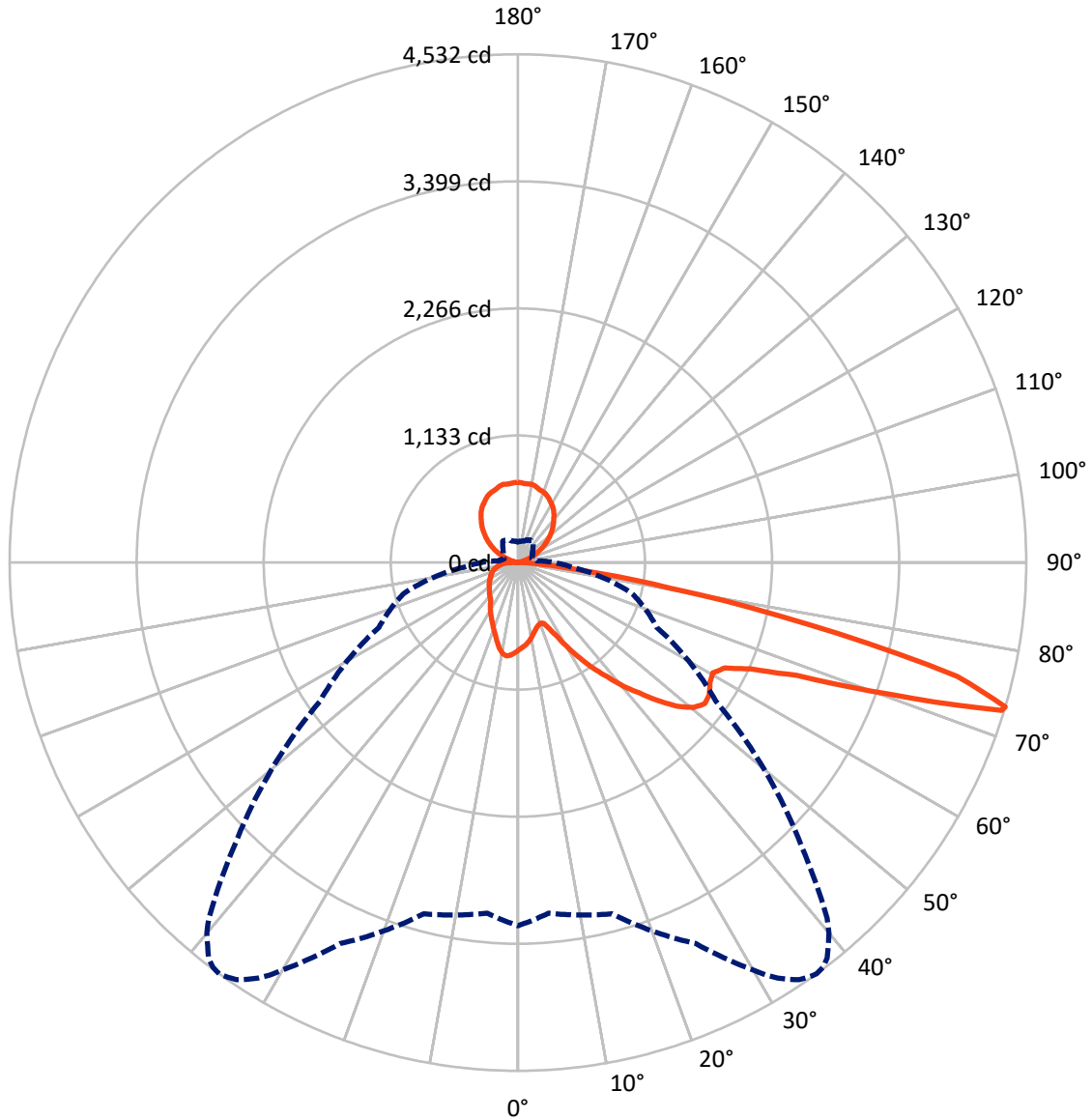
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P226555
CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-ULG

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-ULG

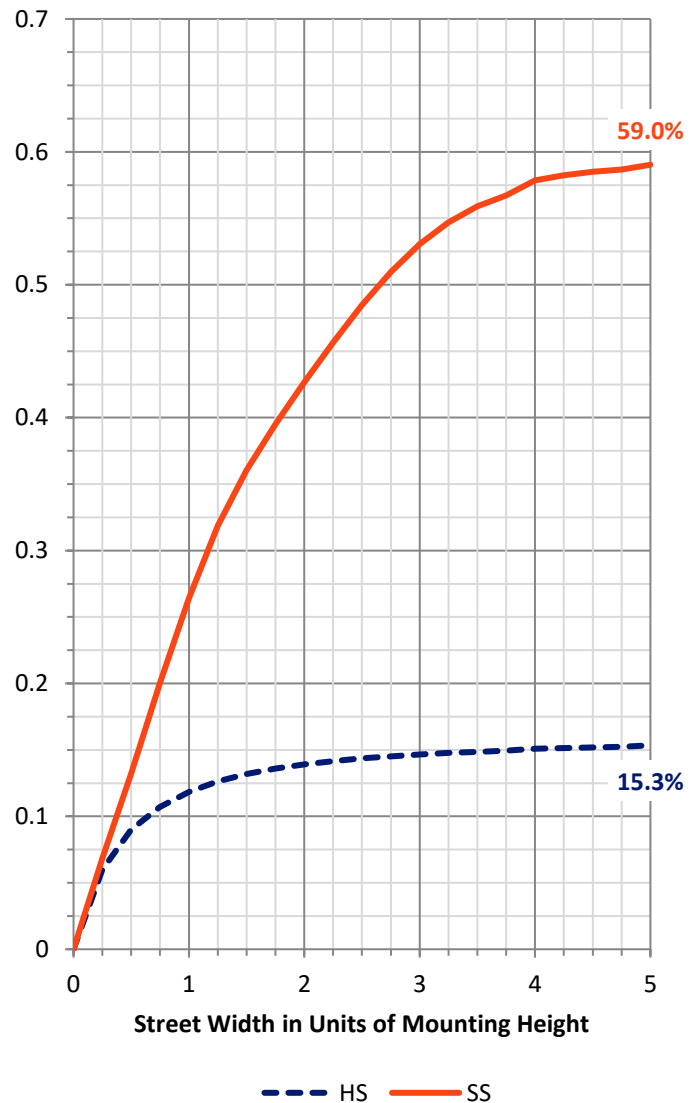
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1120.0	888.7	2008.7
	% Fixture	15.8	12.5	28.4
Street Side	Lumens	4188.6	887.9	5076.5
	% Fixture	59.1	12.5	71.6
Total	Lumens	5308.6	1776.6	7085.2
	% Fixture	74.9	25.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	1.0
10°-20°	194.5	2.7
20°-30°	318.7	4.5
30°-40°	528.1	7.5
40°-50°	776.1	11.0
50°-60°	978.6	13.8
60°-70°	1281.5	18.1
70°-80°	1037.3	14.6
80°-90°	120.4	1.7
90°-100°	11.1	0.2
100°-110°	58.7	0.8
110°-120°	169.9	2.4
120°-130°	279.4	3.9
130°-140°	344.6	4.9
140°-150°	352.5	5.0
150°-160°	297.0	4.2
160°-170°	195.5	2.8
170°-180°	67.8	1.0
0°-90°	5308.6	74.9
0°-180°	7085.2	100.0

Coefficient of Utilization



REPORT NUMBER: P226555

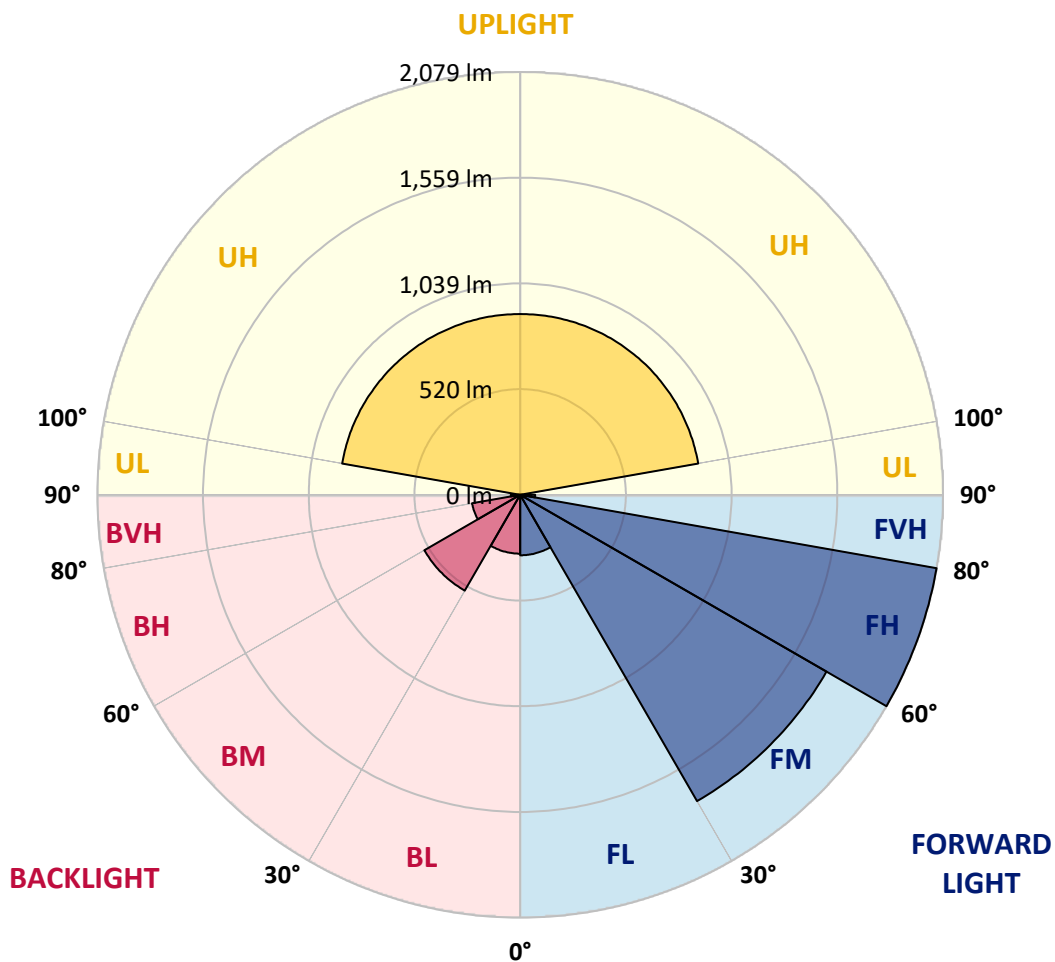
CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	297.2	4.2			
FM (30°-60°)	1738.7	24.5			
FH (60°-80°)	2078.6	29.3			G2/5000
FVH (80°-90°)	74.1	1.0			G1/100
BL (0°-30°)	289.4	4.1	B1/500		
BM (30°-60°)	544.1	7.7	B1/1000		
BH (60°-80°)	240.2	3.4	B1/500		G1/500
BVH (80°-90°)	46.3	0.7			G1/100
UL (90°-100°)	11.1	0.2		U2/50	
UH (100°-180°)	888.7	12.5		U4/1000	

BUG Rating: B1-U5-G2

Type IV Short





REPORT NUMBER: P226555
 CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-ULG

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
0°	779.7	779.7	779.7	779.7	779.7	779.7	779.7	779.7	779.7	779.7	779.7
2.5°	751.6	753.1	754.6	754.6	754.6	756.9	756.2	756.2	756.9	757.7	757.7
5°	723.4	724.1	728.8	730.3	734.9	734.1	734.1	734.1	737.1	734.9	736.3
7.5°	691.5	693.0	697.6	702.9	706.7	707.5	706.7	705.1	709.0	710.5	709.0
10°	653.5	654.2	660.3	664.8	671.0	670.1	672.5	672.5	674.0	673.2	676.3
12.5°	634.4	632.9	629.8	632.2	633.6	633.6	633.6	636.0	635.2	636.7	639.0
15°	632.2	628.3	613.2	607.8	606.3	606.3	605.5	604.8	607.0	609.4	609.4
17.5°	642.8	635.2	605.5	590.3	587.3	585.7	586.5	585.0	585.0	588.0	587.3
20°	694.5	680.9	621.4	588.0	578.9	578.9	578.2	575.8	575.8	576.6	576.6
22.5°	826.1	808.6	705.1	636.0	604.0	603.2	601.0	598.6	592.6	591.1	588.0
25°	1009.4	988.9	811.7	737.1	692.2	690.7	679.3	677.8	663.3	664.1	654.2
27.5°	1151.7	1138.0	953.9	855.0	812.4	803.3	798.0	784.3	772.1	762.2	750.0
30°	1200.4	1198.1	1097.7	1017.8	953.9	943.3	928.8	922.7	905.2	891.5	883.2
32.5°	1277.3	1279.5	1237.7	1149.4	1093.8	1083.2	1071.0	1056.6	1044.4	1035.3	1015.6
35°	1386.7	1387.5	1358.6	1292.4	1228.6	1214.0	1207.2	1190.5	1179.1	1167.7	1157.8
37.5°	1462.8	1466.6	1446.0	1395.1	1357.0	1336.6	1335.8	1323.6	1310.7	1300.8	1291.7
40°	1608.9	1588.3	1520.6	1487.9	1456.8	1454.4	1447.6	1440.7	1443.8	1438.5	1448.4
42.5°	1756.5	1730.6	1636.3	1589.9	1570.8	1574.6	1572.4	1573.1	1582.3	1579.9	1590.6
45°	1882.7	1853.1	1763.3	1708.5	1723.8	1728.3	1741.3	1748.8	1745.1	1758.8	1758.8
47.5°	2009.0	1939.8	1833.3	1858.4	1869.0	1904.0	1913.1	1910.9	1923.9	1929.9	1913.1
50°	1920.0	1901.8	1893.4	1970.2	2018.2	2029.5	2042.5	2049.4	2055.4	2047.0	2030.4
52.5°	1732.2	1730.6	1848.5	2036.4	2076.7	2091.9	2104.1	2109.4	2107.2	2102.6	2088.9
55°	1668.9	1656.8	1758.8	1968.0	2029.5	2044.0	2061.5	2072.2	2082.8	2081.3	2070.7
57.5°	1755.0	1745.1	1745.8	1907.8	1968.0	1980.8	1992.3	2004.5	2007.5	2017.4	2018.2
60°	2004.5	1991.5	1887.3	1905.6	1966.4	1980.8	1982.4	1989.2	1989.9	1995.4	1996.1
62.5°	2364.2	2340.7	2181.6	2044.8	2066.1	2072.9	2078.2	2076.7	2073.6	2069.8	2069.8
65°	2758.3	2736.3	2531.6	2371.9	2310.2	2327.0	2300.3	2295.0	2289.0	2289.0	2282.1
67.5°	3226.9	3185.1	3026.8	2847.3	2758.3	2766.7	2778.8	2732.4	2715.7	2717.3	2681.5
70°	3704.6	3660.5	3591.3	3589.0	3633.8	3614.1	3557.8	3632.4	3544.1	3522.8	3515.2
72.5°	3440.7	3388.1	3402.6	3832.4	4235.6	4301.0	4363.4	4421.2	4473.0	4504.2	4508.7
73°	3238.4	3138.6	3242.1	3747.2	4194.5	4291.1	4368.7	4430.3	4485.8	4514.0	4531.5
75°	1617.3	1622.6	2132.2	3091.5	3665.8	3748.7	3869.7	3937.4	4037.8	4089.6	4043.9
77.5°	375.0	388.7	645.8	1467.4	2197.7	2316.4	2412.9	2511.9	2628.3	2671.5	2633.6
80°	132.4	138.4	227.4	557.6	917.4	982.9	1065.7	1174.6	1282.6	1309.2	1376.1
82.5°	70.0	76.8	120.2	241.9	391.8	428.3	449.6	494.5	532.4	555.4	567.5
85°	40.3	41.1	68.4	133.9	179.5	194.0	207.7	218.3	230.5	222.1	222.1
87.5°	16.0	17.5	35.0	63.1	86.7	96.6	96.6	96.6	95.9	84.4	76.8
90°	8.2	9.7	14.0	21.1	19.6	19.6	18.8	17.3	16.6	17.3	13.4
92.5°	4.1	4.1	5.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
95°	5.1	5.1	6.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
97.5°	7.2	7.2	8.2	8.2	8.7	8.8	8.9	9.0	9.1	9.2	9.2
100°	8.2	8.2	9.2	10.2	11.3	11.5	11.7	11.9	12.1	12.3	13.2
102.5°	11.3	11.3	13.3	18.4	23.0	23.9	24.9	25.8	26.7	27.6	28.9
105°	21.5	22.5	27.6	36.8	43.0	44.2	45.4	46.6	47.9	49.1	50.6
107.5°	41.9	43.0	50.1	59.3	67.0	68.5	70.1	71.6	73.1	74.7	76.2



REPORT NUMBER: P226555

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-ULG

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	30°	31°	32°	33°	34°	35°	36°
110°	67.5	69.6	75.7	89.0	96.7	98.2	99.7	101.3	102.8	104.3	105.6
112.5°	101.3	101.3	108.4	123.8	130.4	131.8	133.1	134.4	135.7	137.1	138.0
115°	143.2	142.2	150.4	162.6	167.3	168.2	169.1	170.0	170.9	171.9	172.5
117.5°	188.2	188.2	193.3	201.5	204.1	204.6	205.1	205.6	206.1	206.6	206.9
120°	230.2	228.1	231.2	238.3	240.4	240.8	241.2	241.6	242.0	242.4	243.1
122.5°	269.0	266.0	267.0	273.1	275.2	275.6	276.0	276.4	276.8	277.2	277.8
125°	304.8	300.7	302.8	305.9	308.9	309.5	310.2	310.8	311.4	312.0	312.5
127.5°	337.6	336.6	336.6	340.6	343.7	344.3	344.9	345.6	346.2	346.8	346.9
130°	371.3	369.3	370.3	374.4	376.4	376.9	377.3	377.7	378.1	378.5	378.7
132.5°	405.1	403.0	402.0	410.2	411.7	412.0	412.4	412.7	413.0	413.3	413.4
135°	438.8	435.8	435.8	441.9	443.4	443.8	444.1	444.4	444.7	445.0	445.2
137.5°	470.6	467.5	469.5	470.6	472.6	473.0	473.4	473.8	474.2	474.6	475.1
140°	499.2	496.1	498.2	500.2	501.2	501.5	501.7	501.9	502.1	502.3	502.9
142.5°	529.9	526.8	528.9	529.9	531.4	531.7	532.0	532.3	532.7	533.0	533.4
145°	562.6	558.5	556.5	559.6	561.1	561.4	561.7	562.0	562.3	562.6	562.7
147.5°	588.2	585.1	584.1	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.3
150°	608.7	605.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6	606.6
152.5°	625.0	622.0	622.0	623.0	623.5	623.6	623.7	623.8	623.9	624.0	624.0
155°	643.4	639.3	639.3	641.4	642.9	643.2	643.5	643.8	644.2	644.5	644.3
157.5°	660.8	657.8	657.8	658.8	659.8	660.0	660.2	660.4	660.6	660.8	660.7
160°	678.2	675.1	674.1	671.1	670.5	670.4	670.3	670.2	670.1	670.0	670.0
162.5°	688.4	684.4	684.4	680.3	678.2	677.8	677.4	677.0	676.6	676.2	676.4
165°	696.6	693.6	691.5	691.5	690.0	689.7	689.4	689.1	688.8	688.4	688.4
167.5°	705.8	702.8	699.7	701.7	702.8	703.0	703.2	703.4	703.6	703.8	703.5
170°	714.0	711.0	707.9	707.9	708.4	708.5	708.6	708.7	708.8	708.9	708.7
172.5°	715.0	713.0	711.0	708.9	707.4	707.1	706.8	706.4	706.1	705.8	705.8
175°	716.1	714.0	713.0	711.0	708.9	708.5	708.1	707.7	707.3	706.9	706.8
177.5°	723.2	721.2	716.1	715.0	714.0	713.8	713.6	713.4	713.2	713.0	712.8
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1



REPORT NUMBER: P226555

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-ULG

CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
0°	779.7	779.7	779.7	779.7	779.7	779.7	779.7	779.7	779.7	779.7	779.7
2.5°	759.1	760.0	758.4	761.5	759.1	759.1	763.0	769.9	775.2	776.7	781.2
5°	737.9	738.7	738.7	739.4	738.7	740.2	747.0	753.1	763.7	769.1	775.9
7.5°	710.5	712.8	712.0	713.5	713.5	715.0	725.7	735.6	746.2	756.2	764.6
10°	677.8	679.3	682.3	680.9	680.9	685.4	696.8	711.3	724.1	738.7	748.5
12.5°	639.0	642.8	642.0	645.1	646.6	649.7	668.7	684.7	700.6	717.3	730.3
15°	608.6	610.8	612.3	613.2	613.2	620.0	639.0	658.8	680.1	699.8	713.5
17.5°	588.8	588.8	590.3	591.1	592.6	597.2	616.9	639.0	663.3	687.6	702.9
20°	577.4	577.4	578.2	578.9	578.9	584.2	602.5	627.6	654.2	685.4	703.7
22.5°	586.5	584.2	583.5	583.5	580.4	580.4	597.9	624.5	658.0	698.4	721.9
25°	648.9	642.0	631.4	629.1	625.3	607.0	604.8	635.2	676.3	726.5	762.2
27.5°	742.5	735.6	728.8	720.4	714.3	680.9	635.2	662.6	711.3	782.8	826.9
30°	864.9	851.2	841.4	832.2	805.6	769.1	698.4	705.1	765.3	861.1	916.7
32.5°	1001.9	987.4	972.2	950.8	944.1	884.6	794.2	775.9	833.7	952.4	1010.2
35°	1134.2	1127.4	1116.8	1108.4	1092.4	1042.9	918.9	861.1	912.9	1059.7	1104.6
37.5°	1287.9	1274.9	1275.7	1268.9	1259.8	1217.9	1048.2	963.8	998.0	1162.4	1190.5
40°	1439.3	1436.2	1440.7	1429.4	1414.1	1357.9	1143.4	1039.1	1087.1	1261.2	1254.4
42.5°	1582.3	1584.6	1579.2	1566.2	1549.6	1455.2	1204.2	1103.0	1166.9	1347.9	1305.4
45°	1745.8	1737.5	1715.4	1692.6	1672.0	1538.9	1236.8	1174.6	1243.7	1441.5	1357.0
47.5°	1900.2	1867.5	1848.5	1813.5	1773.2	1614.9	1281.0	1249.8	1328.9	1529.7	1406.6
50°	2013.6	1983.2	1951.2	1908.6	1866.0	1681.1	1339.6	1335.1	1425.6	1628.6	1474.3
52.5°	2065.3	2037.2	2006.0	1962.6	1920.0	1729.1	1417.9	1417.9	1539.6	1759.5	1567.8
55°	2056.9	2036.4	2009.0	1969.5	1936.8	1755.0	1498.6	1509.3	1682.7	1900.9	1675.8
57.5°	2012.9	2001.4	1985.4	1958.0	1931.4	1774.7	1593.7	1600.5	1874.4	2037.2	1777.8
60°	1997.6	1993.0	1983.9	1968.0	1947.4	1818.1	1694.8	1710.1	2088.9	2161.9	1835.6
62.5°	2065.3	2056.1	2049.4	2033.3	2014.3	1924.6	1821.9	1826.5	2290.5	2177.1	1779.3
65°	2255.5	2238.7	2227.4	2206.0	2184.7	2085.1	1983.9	1934.5	2389.4	2034.9	1588.3
67.5°	2654.0	2626.7	2594.0	2553.7	2495.1	2405.4	2144.4	1949.6	2299.6	1723.8	1252.9
70°	3442.1	3382.8	3307.5	3221.6	3199.5	2937.8	2244.9	1837.1	1911.7	1204.2	830.6
72.5°	4501.1	4439.4	4372.5	4301.8	4161.8	3586.7	2200.7	1481.8	1189.0	619.2	395.6
73°	4518.6	4476.7	4396.1	4313.9	4199.8	3575.3	2152.8	1366.3	1048.2	487.6	324.1
75°	4052.2	4035.5	3956.4	3798.2	3701.5	3020.0	1585.3	791.9	458.7	301.3	210.7
77.5°	2629.7	2611.5	2566.6	2551.3	2373.3	1958.0	709.7	308.1	249.5	200.1	149.1
80°	1401.2	1316.0	1300.8	1239.9	1109.9	753.8	242.6	188.6	165.8	133.9	104.2
82.5°	568.2	531.7	518.0	469.3	441.2	226.0	121.7	130.8	111.1	79.1	63.9
85°	209.2	192.4	187.9	152.9	134.6	66.9	74.6	92.1	69.3	44.1	31.9
87.5°	72.2	62.4	54.0	41.8	38.8	27.4	41.1	50.2	44.1	26.6	15.2
90°	13.3	12.5	11.6	10.7	11.4	10.2	11.8	16.1	16.8	11.8	10.2
92.5°	6.1	6.1	6.1	6.1	6.1	6.1	7.2	7.2	6.1	6.1	6.1
95°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	8.2	7.2	7.2	7.2
97.5°	9.2	9.2	9.2	9.2	9.2	9.2	12.3	10.2	9.2	8.2	8.2
100°	14.1	15.0	16.0	16.9	17.8	21.5	29.7	26.6	23.5	19.4	19.4
102.5°	30.3	31.6	32.9	34.3	35.6	40.9	51.1	48.1	43.0	39.9	38.9
105°	52.2	53.7	55.2	56.8	58.3	64.4	73.7	71.6	66.5	62.4	62.4
107.5°	77.7	79.3	80.8	82.3	83.9	90.0	97.2	96.2	92.1	89.0	88.0



REPORT NUMBER: P226555

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-ULG

CANDELA DISTRIBUTION (continued):

	37°	38°	39°	40°	41°	45°	55°	65°	75°	85°	90°
110°	106.8	108.0	109.3	110.5	111.7	116.6	122.8	123.8	121.7	118.7	119.7
112.5°	138.9	139.8	140.8	141.7	142.6	146.3	151.4	153.4	152.4	150.4	150.4
115°	173.1	173.7	174.3	174.9	175.5	178.0	183.1	186.2	183.1	181.1	182.1
117.5°	207.2	207.6	207.9	208.2	208.5	209.7	215.8	219.9	214.8	212.8	213.8
120°	243.7	244.3	244.9	245.5	246.1	248.6	251.6	255.7	250.6	248.6	248.6
122.5°	278.4	279.1	279.7	280.3	280.9	283.4	285.4	289.5	284.4	282.3	283.4
125°	313.0	313.5	314.0	314.6	315.1	317.1	320.2	322.2	317.1	317.1	317.1
127.5°	347.0	347.1	347.2	347.3	347.4	347.8	352.9	353.9	353.9	352.9	355.0
130°	378.9	379.1	379.3	379.5	379.7	380.5	385.7	389.7	389.7	387.7	388.7
132.5°	413.5	413.6	413.7	413.8	413.9	414.3	420.4	425.5	423.5	423.5	424.5
135°	445.4	445.6	445.8	446.0	446.2	447.0	453.2	458.3	457.3	460.3	461.4
137.5°	475.5	475.9	476.3	476.7	477.1	478.7	483.9	485.9	486.9	492.0	493.1
140°	503.5	504.1	504.7	505.3	506.0	508.4	511.5	513.5	515.6	520.7	522.7
142.5°	533.8	534.2	534.6	535.0	535.4	537.0	539.1	545.2	545.2	546.3	548.3
145°	562.8	562.9	563.0	563.1	563.2	563.6	568.8	574.9	573.9	570.8	572.9
147.5°	587.4	587.5	587.6	587.7	587.8	588.2	593.3	598.4	599.4	596.4	598.4
150°	606.6	606.6	606.6	606.6	606.6	606.6	610.7	613.8	616.8	619.9	624.0
152.5°	624.0	624.0	624.0	624.0	624.0	624.0	625.0	628.1	632.2	637.3	642.4
155°	644.0	643.8	643.6	643.4	643.2	642.4	640.4	645.5	650.6	652.6	655.7
157.5°	660.6	660.5	660.4	660.3	660.2	659.8	658.8	662.9	664.9	664.9	670.0
160°	670.0	670.0	670.0	670.0	670.0	670.0	673.1	679.2	676.2	675.1	681.3
162.5°	676.6	676.8	677.0	677.2	677.4	678.2	682.3	686.4	685.4	683.3	689.5
165°	688.4	688.4	688.4	688.4	688.4	688.4	687.4	692.5	695.6	693.6	697.7
167.5°	703.2	702.9	702.6	702.3	701.9	700.7	693.6	699.7	703.8	703.8	709.9
170°	708.5	708.3	708.1	707.9	707.7	706.9	701.7	704.8	709.9	712.0	717.1
172.5°	705.8	705.8	705.8	705.8	705.8	705.8	704.8	707.9	709.9	712.0	717.1
175°	706.7	706.6	706.4	706.3	706.2	705.8	705.8	711.0	712.0	709.9	715.0
177.5°	712.6	712.4	712.2	712.0	711.8	711.0	709.9	715.0	717.1	714.0	718.1
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1



REPORT NUMBER: P226555

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-ULG

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	779.7	779.7	779.7	779.7	779.7	779.7	779.7	779.7	779.7	779.7
2.5°	782.8	785.8	791.9	796.5	800.3	805.6	807.1	810.2	806.4	810.9
5°	779.7	788.8	800.3	810.9	820.8	829.2	833.0	833.7	834.5	837.5
7.5°	772.1	785.8	804.0	818.6	833.7	839.0	841.4	842.1	836.8	839.0
10°	756.9	779.0	801.8	819.3	826.9	823.1	817.0	807.1	802.5	802.5
12.5°	740.2	768.3	794.9	804.9	798.0	783.5	766.8	748.5	741.6	741.6
15°	726.5	762.2	784.3	777.4	757.7	730.3	707.5	688.4	682.3	680.1
17.5°	718.8	759.1	767.5	746.2	712.8	678.5	655.7	639.8	634.4	634.4
20°	725.0	762.2	748.5	709.0	667.2	636.0	616.1	605.5	600.2	602.5
22.5°	750.8	773.7	731.8	672.5	621.4	594.8	585.7	578.9	578.2	579.6
25°	794.2	788.8	717.3	634.4	578.9	559.9	559.1	556.8	556.1	555.4
27.5°	850.5	807.8	699.8	591.8	536.3	527.1	531.7	531.0	530.2	531.0
30°	925.1	824.6	674.0	545.4	495.9	495.9	502.8	500.5	497.5	498.3
32.5°	994.2	836.8	634.4	493.7	464.0	465.5	467.8	461.8	454.1	455.6
35°	1053.5	836.8	581.1	447.3	431.3	431.3	432.8	427.5	421.5	419.1
37.5°	1103.0	820.0	514.2	412.2	404.7	404.7	410.8	405.5	394.0	391.8
40°	1132.7	783.5	452.7	386.5	391.8	392.5	384.1	375.0	364.4	362.1
42.5°	1151.7	730.3	404.0	368.2	383.4	377.3	357.5	343.1	342.3	345.3
45°	1168.4	670.1	365.1	350.0	374.3	361.3	334.7	321.0	325.6	328.6
47.5°	1185.2	610.1	334.0	329.4	357.5	348.4	320.3	305.0	302.8	307.3
50°	1224.8	526.4	298.2	305.0	337.0	334.0	307.3	289.8	275.4	274.7
52.5°	1278.0	414.6	267.8	283.8	321.0	325.6	292.9	276.1	256.4	253.3
55°	1337.3	317.9	242.6	267.0	305.8	313.4	287.6	262.5	241.1	238.1
57.5°	1354.8	251.0	219.1	243.5	285.3	302.0	279.2	246.4	230.5	227.4
60°	1294.7	208.5	199.3	223.6	264.7	290.6	266.3	234.3	219.8	217.6
62.5°	1111.3	184.1	188.6	210.7	249.5	280.0	256.4	225.2	213.8	212.3
65°	848.2	167.4	179.5	200.1	235.8	270.1	249.5	221.4	212.3	210.7
67.5°	532.4	155.2	170.4	188.6	222.1	259.4	244.2	216.8	209.9	207.7
70°	295.1	142.3	158.3	175.7	208.5	249.5	237.3	209.9	209.2	204.6
72.5°	179.5	128.6	145.3	162.0	193.2	237.3	225.2	201.6	194.0	184.8
73°	171.1	127.1	142.3	159.0	189.5	234.3	222.9	198.6	191.0	181.8
75°	138.4	114.1	130.1	144.5	175.7	222.1	209.9	187.9	175.7	168.9
77.5°	101.9	97.4	112.6	126.2	158.3	205.4	191.7	172.0	157.4	153.6
80°	75.3	80.6	95.1	107.3	139.2	188.6	172.7	153.6	144.5	139.9
82.5°	50.9	62.4	76.1	85.9	123.3	170.4	152.9	134.6	140.8	117.1
85°	29.7	43.4	54.7	66.9	98.9	152.1	133.1	114.9	100.5	90.5
87.5°	19.7	24.3	33.5	45.6	71.5	119.5	105.8	89.7	65.5	65.5
90°	9.4	12.3	13.8	12.5	17.1	59.1	43.2	49.0	12.7	12.0
92.5°	6.1	6.1	7.2	7.2	6.1	6.1	6.1	5.1	4.1	4.1
95°	7.2	7.2	8.2	7.2	7.2	7.2	7.2	6.1	5.1	5.1
97.5°	8.2	9.2	10.2	12.3	9.2	9.2	8.2	8.2	7.2	7.2
100°	19.4	23.5	26.6	29.7	21.5	12.3	10.2	9.2	8.2	8.2
102.5°	39.9	43.0	48.1	51.1	40.9	27.6	18.4	13.3	11.3	11.3
105°	62.4	66.5	71.6	73.7	64.4	49.1	36.8	27.6	22.5	21.5
107.5°	89.0	92.1	96.2	97.2	90.0	74.7	59.3	50.1	43.0	41.9



REPORT NUMBER: P226555

CATALOG NUMBER: IST-AF-800-LED-E1-T4FT-ULG

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	118.7	121.7	123.8	122.8	116.6	104.3	89.0	75.7	69.6	67.5
112.5°	150.4	152.4	153.4	151.4	146.3	137.1	123.8	108.4	101.3	101.3
115°	181.1	183.1	186.2	183.1	178.0	171.9	162.6	150.4	142.2	143.2
117.5°	212.8	214.8	219.9	215.8	209.7	206.6	201.5	193.3	188.2	188.2
120°	248.6	250.6	255.7	251.6	248.6	242.4	238.3	231.2	228.1	230.2
122.5°	282.3	284.4	289.5	285.4	283.4	277.2	273.1	267.0	266.0	269.0
125°	317.1	317.1	322.2	320.2	317.1	312.0	305.9	302.8	300.7	304.8
127.5°	352.9	353.9	353.9	352.9	347.8	346.8	340.6	336.6	336.6	337.6
130°	387.7	389.7	389.7	385.7	380.5	378.5	374.4	370.3	369.3	371.3
132.5°	423.5	423.5	425.5	420.4	414.3	413.3	410.2	402.0	403.0	405.1
135°	460.3	457.3	458.3	453.2	447.0	445.0	441.9	435.8	435.8	438.8
137.5°	492.0	486.9	485.9	483.9	478.7	474.6	470.6	469.5	467.5	470.6
140°	520.7	515.6	513.5	511.5	508.4	502.3	500.2	498.2	496.1	499.2
142.5°	546.3	545.2	545.2	539.1	537.0	533.0	529.9	528.9	526.8	529.9
145°	570.8	573.9	574.9	568.8	563.6	562.6	559.6	556.5	558.5	562.6
147.5°	596.4	599.4	598.4	593.3	588.2	587.2	587.2	584.1	585.1	588.2
150°	619.9	616.8	613.8	610.7	606.6	606.6	606.6	606.6	605.6	608.7
152.5°	637.3	632.2	628.1	625.0	624.0	624.0	623.0	622.0	622.0	625.0
155°	652.6	650.6	645.5	640.4	642.4	644.5	641.4	639.3	639.3	643.4
157.5°	664.9	664.9	662.9	658.8	659.8	660.8	658.8	657.8	657.8	660.8
160°	675.1	676.2	679.2	673.1	670.0	670.0	671.1	674.1	675.1	678.2
162.5°	683.3	685.4	686.4	682.3	678.2	676.2	680.3	684.4	684.4	688.4
165°	693.6	695.6	692.5	687.4	688.4	688.4	691.5	691.5	693.6	696.6
167.5°	703.8	703.8	699.7	693.6	700.7	703.8	701.7	699.7	702.8	705.8
170°	712.0	709.9	704.8	701.7	706.9	708.9	707.9	707.9	711.0	714.0
172.5°	712.0	709.9	707.9	704.8	705.8	705.8	708.9	711.0	713.0	715.0
175°	709.9	712.0	711.0	705.8	705.8	706.9	711.0	713.0	714.0	716.1
177.5°	714.0	717.1	715.0	709.9	711.0	713.0	715.0	716.1	721.2	723.2
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1

(END OF REPORT)